# BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

SCHDULE-B

Name of Work: Improvements to Medrahalli Main Road, in Shettyhalli Sub Division, W No.12

| Sl. No | Description of work | Unit | Qty | Sanctioned Rates | |
|---|---|---|---|---|---|
| | | | | In Figures (Rs.) | In Words (Rs.) |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m. sequential spreading of the salvagea aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. | Sqm | 338.00 | 65.23 | Rupees Sixty Five and Twenty Three Paise Only |
| 2 | Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. | Sqm | 3594.50 | 2.38 | Rupees Two and Thirty Seven Paise Only |
| 3 | Earthwork in surface excavation in Hard Soil for levelling and lowering the ground manually ( other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables ) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and after breaking of clods and neatly dressed as per specifications. | Cum | 273.42 | 154.76 | Rupees One Hundred Fifty Four and Seventy Six Paise Only |
| 4 | Construction of granular sub-baseby providing close graded material, mixing in a mechanical mix plant at OMC , carriage of mixed Material to work site, spreading in uniform layers with mortor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specification. | Cum | 204.31 | 981.72 | Rupees Nine Hundred Eighty One and Seventy Two Paise Only |
| 5 | Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. | Cum | 204.31 | 1059.48 | Rupees One Thousand Fifty Nine and Forty Eight Paise Only |

Technical Manager(TM-2)
KNDL, Dasarahalli Zone, Bangalore

Signature of the Contractor

Executive Enginee

| | | | | | |
|---|---|---|---|---|---|
| 6 | Providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut back M.C.70 or any other bitumen mixed with diesel at 10kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. | Sqm | 1021.55 | 68.36 | Rupees Sixty Eight and Thirty Six Paise Only |
| 7 | Tack Coat:- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom complete as per specifications. | Sqm | 3836.30 | 10.80 | Rupees Ten and Eighty Paise Only |
| 8 | Providing and laying bituminous macadam on prepared surface with cushed coarse aggregates as per design mix formula for base/binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack coat with lead upto 1 km including cost of all materials, labour, HOM of machineries complete as per specification. | Cum | 51.08 | 6106.32 | Rupees Six Thousand One Hundred Six and Thirty Two Paise Only |
| 9 | Providing and laying bituminous concrete with 100-120 TPH batch type HOT mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects as per specifications. | Cum | 208.46 | 10504.08 | Rupees Ten Thousand Five Hundred Four and Eight Paise Only |
| 10 | Carriage of mixed materials 10 kms for items of Qty Wide No.8+9 | Cum | 259.54 | 56.70 | Rupees Fifty Six and Seventy Paise Only |

Technical Manager (TM-2)
KRDCL, Dharwad

Signature of the Contractor

Executive Enginee

| | | | | | |
|---|---|---|---|---|---|
| 11 | Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. | Cum | 973.20 | 132.50 | Rupees One Hundred Thirty Two and Fifty Paise Only |
| 12 | Providing and laying in position plain cement concrete of mix M 10 with OPC cement @ 220 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, cost of all materials, labour HOM of machinery curing complete as per specifications. | Cum | 119.70 | 4053.44 | Rupees Four Thousand Fifty Three and Forty Four Paise Only |
| 13 | Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum fine aggregates @ 0.459 cum, with superplastisiser @ 3 lts confirming to IS 9103 - 1999 Reaffirmed - 2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery curing, complete as per specifications. | Cum | 320.80 | 5142.06 | Rupees Five Thousand One Hundred Forty Two and Six Paise Only |
| 14 | Providing TMT steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. | Qtl | 160.40 | 7187.86 | Rupees Seven Thousand One Hundred Eighty Seven and Eighty Six Paise Only |

Technical Manager(TM-2)
KNIDL, Dasarahalli Zone, Bangalore

Signature of the Contractor

Executive Enginee

| | | | | | |
|---|---|---|---|---|---|
| 15 | Providing and removing centering, shuttering, strutting, propping etc.and Removel of Form Work for **Vertical Surface** Such as walls at any thikness including attached edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specifications. | Sqm | 2465.00 | 555.44 | Rupees Five Hundred Fifty Five and Forty Four Paise Only |
| 16 | Providing and laying reinforce cement precast slabs of mix CC 1:1.5:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & complete as per specifications | Sqm | 540.00 | 1963.60 | Rupees One Thousand Nine Hundred Sixty Three and Sixty Paise Only |
| 17 | Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete as per specifications | No | 1350.00 | 289.44 | Rupees Two Hundred Eighty Nine and Forty Four Paise Only |
| 18 | Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. | Sqm | 300.00 | 20.14 | Rupees Twenty and Fourteen Paise Only |
| 19 | Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. | Sqm | 300.00 | 45.90 | Rupees Forty Five and Eighty Nine Paise Only |
| 20 | Disposal of debris to the final plce of disposal with all lead and lift and as directed by the Engineer in charge of the work lead 10 km a) Basic rate for haulage of materials as per item No.17.4/KSRRB : M100-4.1.....Rs.2.00 Tonne/Km b) average earth of work 1.28 Tonne/Km for Rs.2.00/km c) Add loading and unloading item No.17.1 KSRRB M 100-1 Rs.62.20 | cum | 1246.62 | 100.35 | Rupees One Hundred and Thirty Five Paise Only |

Technical Manager(TM-2)
KRIDL, Dasarahalli Zone, Bangalore

Signature of the Contractor

Executive Engineer,
Dasarahalli Division,